

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

6 / IDS  
E. Villio  
3-5-02

In re patent application of

S. Kittaka et al.

Serial No.: 09/942,663

Filed: August 31, 2001

Group Art Unit: Unknown

Examiner: Unknown

For: OPTICAL DEVICE AND SPECTROSCOPIC AND POLARIZATION  
SEPARATING APPARATUS USING THE SAME

Assistant Commissioner of Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

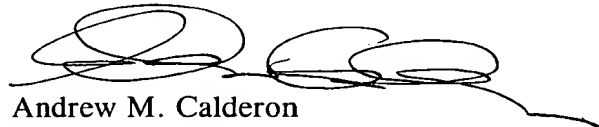
Under the provisions of 37 CFR §1.97 through §1.99 and pursuant to applicant's duty of disclosure under 37 CFR §1.56, applicant respectfully brings the following documents, listed on the attached form PTO-1449, to the attention of the Examiner in charge of the above-identified application. A copy of the listed documents is provided herewith for the convenience of the Examiner.

This citation does not constitute an admission that the references are relevant or material to the claims. They are only cited as constituting related art of which the applicant is aware.

It is respectfully requested that the listed references be considered by the Examiner and formally made of record in this application.

Please charge any deficiencies in fees and credit any overpayment of fees to attorney's deposit account no. 23-1951.

Respectfully submitted,



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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENTAPPLICANT:  
S. Kittaka et al.

(Use several sheets if necessary)

FILING DATE:  
August 31 2001GROUP:  
Unknown

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIALS | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>(IF APPRO.) |
|----------------------|--------------------|------|------|-------|----------|----------------------------|
|                      |                    |      |      |       |          |                            |
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## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|--------------------|------|---------|-------|----------|-------------|----|
|  |                    |      |         |       |          | YES         | NO |
|  |                    |      |         |       |          |             |    |
|  |                    |      |         |       |          |             |    |

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

|  |  |
|--|--|
|  | P. St. J. Russell, "Optics of Floquet-Bloch Waves in Dielectric Gratings", Applied Physics B, Vol. 39, p. 231-246, 1986.   |
|  | K. Shiraishi et al., "Spatial walk-off polarizer utilizing artificial anisotropic dielectrics", Optics Letters, Vol. 15, No. 9, p. 516-518, May 1, 1990.                 |
|  | Technical Digest, "International Workshop on Photonic and Electromagnetic Crystal Structures", March 8-10, 2000.   |
|  | J. Joannopoulos, et al., "Photonic Crystals", Princeton University Press, 1995.  |
|  | M. Plihal et al., "Photonic band structure of two-dimensional systems: The triangular lattice", Physical Review B, Vol. 44, No. 16, p. 8565-8571, 1991.                  |
|  | W.M. Robertson, et al., "Measurement of Photonic Band Structure in a Two-Dimensional Periodic Dielectric Array", Physical Review Letters, Vol. 68, No. 13, p.2023, 1992. |
|  | K. Sakoda, "Symmetry, degeneracy, and uncoupled modes in two-dimensional photonic lattices", Physical Review B, Vol. 52, No. 11, p. 7982, 1995.                          |
|  | H. Kosaka et al., "Superprism phenomena in photonic crystals", Physical Review B, vol, 58, No. 16, 1998.   |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.